

## DESCRIPTION

12AWG Bare Copper Non-Halogen UL 600V

## STANDARDS

UL 44, UL 854, UL 1581, UL 2556, UL 4703  
ROHS 2011/65/EU

## CABLE CONSTRUCTION



Conductor	Stranded Bare Copper
Size	12AWG
Stranding	19/0.47
Diameter	2.35mm
Inner Layer	XLPO
Minimum Average Thickness	0.76mm
Color	White (RAL9003)
Outer Layer	XLPO
Minimum Average Thickness	0.76mm
Color	Black (RAL9005)
Diameter	5.5±0.1mm

## ELECTRICAL CHARACTERISTICS (at +20°C)

Voltage Rating	600V
AC	
Working Temperature	105°C DRY, 90°C WET
Insulation Resistance	≥ 1000 MΩ.km
Spark Test	7500 VAC
Voltage Withstand	4000 VAC
Conductor DC Resistance	≤ 5.43 Ω/km

## OTHER CHARACTERISTICS

Dynamic	≥ 15 X OD
Static	≥ 10 X OD
Flammability	VW-1

## PRINT LEGEND

BYSON ELECTRONICS 12AWG BC E331483 (UL) PV WIRE 105°C DRY 90°C WET 600V SUN RES -40°C DIR BUR

## HISTORY

Feb 4, 2017 First issue

Draft